Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/30/2021 09:25 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	122201	-3	3.60	121954	3.67
Blue	F	SSC	125000	123118	-2	4.25	123380	4.04
Blue	E	FITC	13131	12403	-6	4.31	284	16.39
Blue	D	PE	24112	23153	-4	4.11	528	11.22
Blue	B	PerCP-Cy5-5	31295	30206	-4	4.89	994	15.12
Blue	A	PE-Cy7	19939	19293	-4	6.73	511	30.23
Red	C	APC	42122	41330	-2	3.01	1735	11.49
Red	A	APC-Cy7	22340	21480	-4	3.31	802	11.63
Violet	B	V450	7410	7107	-5	4.33	429	12.96
Violet	A	V500	28118	26810	-5	3.84	669	10.13

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22462	3.34	566	-3	N/A	N/A	Pass
Blue	F	SSC	56679	3.67	518	6	N/A	N/A	Pass
Blue	E	FITC	52	56.10	485	-2	0.0399	114	Pass
Blue	D	PE	111	38.02	488	0	0.5066	418	Pass
Blue	B	PerCP-Cy5-5	182	37.07	585	-1	0.0198	87	Pass
Blue	A	PE-Cy7	101	71.00	628	0	0.0210	3	Pass
Red	C	APC	399	24.25	578	2	0.0274	183	Pass
Red	A	APC-Cy7	178	27.61	553	2	0.0064	1061	Pass
Violet	B	V450	60	62.73	451	-2	0.0557	2004	Pass
Violet	A	V500	97	35.73	462	-3	0.0267	1114	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/30/2021 09:25 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.41	-31.25	1.17
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.43
Red	14.45	13.60 - 20.40	N/A	N/A	29.65	29.89	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9955

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments